

What is claimed is:

1. A communication system, which comprises:
 - data acquisition requesting means located in an radio interface for requesting, through said radio interface wherein a sum of transmission power in a cell is limited when communications are simultaneously carried out, data acquisition from a data source located in a network interface;
 - data buffering means located in said network interface for temporarily storing the data requested by said data acquisition requesting means;
 - data transmitting means located in said network interface for successively reading out said data stored in said data buffering means and for transmitting said data to said data acquisition requesting means; and
 - data transfer rate control means located in said network interface for increasing a data transfer rate in said radio interface within the limited electric power of transmission, when said data stored in said data buffering means exceed a prescribed threshold.
- 20 2. The communication system according to claim 1, wherein said radio interface employs code division multiple access system.
- 25 3. The communication system according to claim 1, which further comprises power measuring means located in said network interface for measuring an electric power of transmitting said data to said data acquisition requesting means,
wherein said data transfer rate control means controls said data transfer rate in accordance with the measured electric

power and the accumulated amount of said data.

4. The communication system according to claim 3, wherein
said data transfer rate control means increases said data
transfer rate, as the amount of data accumulated in the data
5 accumulating means becomes greater, when the measured
electric power is smaller than a predetermined value.

5. The communication system according to claim 1, which
further comprises distance measuring means for measuring a
distance between said data acquisition requesting means and
10 said data transfer rate control means,

wherein said data transfer rate control means increases
said data transfer rate, as accumulated amount of said data
increased, when the measured distance is smaller than a
prescribed value.

15 6. The communication system according to claim 1, which
further comprises signal to interference noise ratio (SIR)
measuring means for measuring a SIR of data transmitted by
said data transmitting means,

wherein said data transfer rate control means increases
20 said data transfer rate, as accumulated amount of said data
increased, when the measured SIR is smaller than a prescribed
value.